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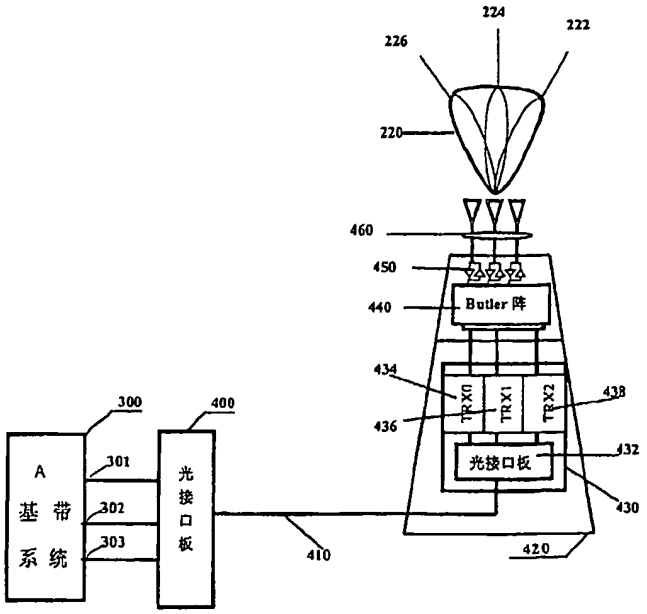
(54) Title: A METHOD AND APPARATU FOR IMPLEMENTING BEAM FORMING IN CDMA COMMUNICATION SYSTEM

(54) 发明名称: 一种用于码分多址系统实现波束成形的装置及方法



A BASEBAND SYSTEM
400, 432 OPTICAL INTERFACE BOARD
440 BUTTLER ARRAY

(57) **Abstract:** The present invention relates to a method and apparatus. For implementing beam forming in CDMA communication system. It provides a plurality of fixed beams formed within a sector. A plurality of fixed beams used in the same smart antennas system are formed narrow beam traffic channel and common channel having sector beam at the same time, It can overcome the differ from the change of time and temperature with phase of each path, So it need not complex technique of calibration. The capacity and performance in multi-antennas CDMA system have been improved. It resolves the problem that the coherent of each of fixed beams of space vector overlaps at some areas, when it transmits the common channel in multi-antennas CDMA system. The intensity of the polite channels and traffic channels becomes corresponding proportion; the received signal's ratio of the signal to noise is increased in mobile stations. The optical transceiver system is set between baseband and TRX; the more carriers are sustained in the baseband system. The distance between the device of radio frequency and the antenna is very close; the power cost is reduce.

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